



Metrology — 340 parts traced

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Station 4 instrument · fictional document

Fictional document — demonstration example

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Fictional document, produced for demonstration. **This file decides nothing**. It splits, locates and sources — the status decision belongs to the quality manager and it gets signed.

The split: 340 parts, 4 decisions

Order	Part	Parts	Location	Possible decision
TR-118-0442	TR-118	112	In stock	Immediate re-inspection
TR-118-0447	TR-118	82	Built into sub-assemblies, on site	Re-inspect after teardown, or status on file
VP-450-0219	VP-450	91	Delivered — customer A, note 3341 of 04/08	Notify the customer, or nothing
VP-450-0223	VP-450	55	Delivered — customer B, note 3352 of 06/08	Notify the customer, or nothing

Only 112 of the 340 can be re-inspected without constraint. That is the number that shapes the day, and it does not appear if you look at "340 parts".

The item that lightens the decision

Calibration record	Date	Result	Drift measured	Tolerance of the dimensions checked
Previous	14/05/2026	Conforming	2 μ m	30 μ m
Next	Not carried out	—	—	—

A 2 μ m drift against a 30 μ m tolerance at the last known record proves nothing about the 340 parts. It does make a sudden drift unlikely, and that is information the quality manager wants before opening the file, not after.

What remains to be decided

Status of the 112 parts in stock: ☐ full re-inspection · ☐ sample re-inspection · ☐ accept on file

Delivered parts (146): ☐ notify the customer · ☐ no action · ☐ decide after re-inspecting the 112

Instrument calibration: ☐ send immediately · ☐ withdraw from the station meanwhile · **date:**/...../.....

The last box is not paperwork. While the instrument stays at the station, the scope keeps growing by about forty parts a day.

encryption mechanisms in transit and at rest, their components and key management are those documented for the architecture chosen; roles and permissions are configured and accepted for the identities and systems actually connected; the events logged, their content, their retention period and who may access them are defined for the deployment chosen.